

Appl. No. 09/351,086  
Appeal Brief in Response  
Reply to final Office action of 16 June 2004

Page 12 of 17

APPENDIX  
CLAIMS ON APPEAL

1. A method for processing video, the method comprising:
  - determining an association between a first video segment including a particular feature and at least one additional information source also including that feature; and
  - utilizing the association to display information from the additional information source based at least in part on a selection by a user of the feature in the first video segment while the video segment is displayed to the user.
2. The method of claim 1 wherein
  - determining the association further includes
  - retrieving the association from a memory.
3. The method of claim 1 wherein
  - determining the association further includes
  - determining the association from information in a portion of the video segment.
4. The method of claim 1 wherein
  - the additional information source comprises
  - an additional video segment also including the feature.
5. The method of claim 4 wherein
  - utilizing the association includes
  - switching from display of the first video segment to display of the additional video segment also including the feature.

**Appl. No. 09/351,086  
Appeal Brief In Response  
Reply to final Office action of**

**Page 13 of 17**

6. The method of claim 4 wherein  
utilizing the association includes  
displaying the additional video segment at least in part in a separate portion of  
a display which also includes at least a portion of the first video segment.
7. The method of claim 1 wherein  
the feature is a video feature extracted from at least one frame of the video segment.
8. The method of claim 7 wherein  
the video feature comprises at least one of  
a frame characterization,  
a face identification,  
a scene identification,  
an event identification, and  
an object identification.
9. The method of claim 1 wherein  
the feature is an audio feature extracted from at least one frame of the video segment.
10. The method of claim 9 wherein  
utilizing the association includes  
combining an audio signal corresponding to the audio feature with an audio  
signal associated with the first video segment.
11. The method of claim 9 wherein  
utilizing the association includes  
converting an audio signal corresponding to the audio feature into a textual  
format which is displayed with the first video segment.

**Appl. No. 09/351,086  
Appeal Brief in Response  
Reply to final Office action of**

**Page 14 of 17**

12. The method of claim 9 further including  
separating at least a portion of the video segment into audio categories including one  
or more of

single-voice speech,  
multiple-voice speech, music,  
silence and  
noise

in order to extract the audio feature therefrom.

13. The method of claim 9 wherein  
the audio feature comprises at least one of  
a music signature extraction,  
a speaker identification, and  
a transcript extraction.

14. The method of claim 1 wherein  
the feature is a textual feature extracted from at least one frame of the video segment.

15. The method of claim 14 wherein  
utilizing the association includes  
displaying information corresponding to the textual information as an overlay  
on a display of the first video segment.

16. The method of claim 1 wherein  
determining the association further includes  
determining the association based at least in part on at least one multi-  
dimensional feature vector extracted from a portion of the video segment using a feature  
extraction technique.

**Appl. No. 09/351,086  
Appeal Brief in Response  
Reply to final Office action of**

**Page 15 of 17**

17. The method of claim 1 wherein

determining the association further includes

determining the association based at least in part on at least one of a similarity measure and a clustering technique.

18. An apparatus for processing video, the apparatus comprising:

a memory for storing an association between a first video segment including a particular feature and at least one additional information source also including that feature; and

a processor coupled to the memory and operative to utilize the association to direct the display of information from the additional information source based at least in part on a selection by a user of the feature in the first video segment while the video segment is displayed to the user.

19. An apparatus for processing video, the apparatus comprising:

a processor operative

(i) to determine an association between a first video segment including a particular feature and at least one additional information source also including that feature; and

(ii) to utilize the association to display information from the additional information source based at least in part on a selection by a user of the feature in the first video segment while the video segment is displayed to the user.

20. An article of manufacture comprising a machine-readable medium containing one or more software programs which when executed:

determine an association between a first video segment including a particular feature and at least one additional information source also including that feature; and

utilize the association to display information from the additional information source based at least in part on a selection by a user of the feature in the first video segment while the video segment is displayed to the user.

**Appl. No. 09/351,086  
Appeal Brief in Response  
Reply to final Office action of**

**Page 16 of 17**

21. A method for processing video, the method comprising:
- determining from information in a portion of a first video segment an association between a particular feature of the first video segment and at least one additional information source also including that feature; and
  - utilizing the association to enable display of information from the additional information source when the first video segment is displayed.
22. An apparatus for processing video, the apparatus comprising:
- a processor operative
    - (i) to determine from information in a portion of a first video segment an association between a particular feature of the first video segment and at least one additional information source also including that feature; and
    - (ii) to utilize the association to enable display of information from the additional information source when the first video segment is displayed.
23. An article of manufacture comprising a machine-readable medium containing one or more software programs which when executed:
- determine from information in a portion of a first video segment an association between a particular feature of the first video segment and at least one additional information source also including that feature; and
  - utilize the association to enable display of information from the additional information source when the video segment is displayed.
24. A method for processing video, the method comprising:
- determining an association between (1) a portion of a video signal, the portion including a feature, and (2) at least one other information source also including the feature; and
  - utilizing the association to enable display of information from the other information source based at least in part on a selection by a user of the feature in the portion of the video signal while the video segment is displayed to the user.

**Appl. No. 09/351,086  
Appeal Brief in Response  
Reply to final Office action of**

**Page 17 of 17**

25. A method for processing video, the method comprising:

determining from information in a portion of a video signal an association between a feature of the video signal and at least one other information source also including that feature; and

utilizing the association to enable display of information from the other information source when the video segment is displayed.